R E P O R T R E S U M E S

ED 017 707 VT 004 490

DENTAL HYGIENE MANUAL, GUIDE FOR A TWO-YEAR POST HIGH SCHOOL CURRICULUM.

NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH

PUB DATE SEP 67

EDRS PRICE MF-$0.50 HC-$2.88 70P.

DESCRIPTORS- *CURRICULUM, *PROGRAM GUIDES, *HEALTH OCCUPATIONS EDUCATION, *DENTAL HYGIENISTS, POST SECONDARY EDUCATION, BIBLIOGRAPHIES, COURSE DESCRIPTIONS, EQUIPMENT, PROGRAM DEVELOPMENT,

DEVELOPED BY TEACHERS IN DENTAL HYGIENE PROGRAMS, THE STATE ADVISORY COMMITTEE FOR DENTAL AUXILIARY EDUCATION, AND REPRESENTATIVES OF THE DENTAL ORGANIZATIONS AND BASED UPON THE EXPERIENCE OF THREE OPERATING DENTAL HYGIENE PROGRAMS OVER A 3-YEAR PERIOD, THIS GUIDE IS FOR ADMINISTRATOR AND TEACHER USE IN DEVELOPING CURRICULUMS IN DENTAL HYGIENE IN TECHNICAL INSTITUTES OR COMMUNITY COLLEGES. THE OBJECTIVES OF THE PROGRAM ARE TO PROVIDE OPPORTUNITIES FOR QUALIFIED STUDENTS TO ACQUIRE THE KNOWLEDGE AND SKILLS NEEDED FOR EFFECTIVE PARTICIPATION IN THE DENTAL HEALTH TEAM AND TO ENCOURAGE OPTIMUM DEVELOPMENT OF THE STUDENT'S CAPABILITIES AS A CITIZEN AND AS A PERSON. THE COMPONENTS ARE GENERAL EDUCATION, THE BASIC SCIENCES, AND SPECIALIZED COURSES, OFFERED OVER A 2-YEAR MINIMUM PERIOD. STUDENTS SHOULD BE HIGH SCHOOL GRADUATES, 17 YEARS OR OLDER. THE FACULTY SHOULD INCLUDE DENTISTS AND DENTAL HYGIENISTS WHO ARE QUALIFIED FOR TEACHING THROUGH EDUCATIONAL PREPARATION, EXPERIENCE, AND PERSONAL QUALITIES. APPENDIXES INCLUDE A SUGGESTED CURRICULUM AND REFERENCES, A SAMPLE EQUIPMENT LIST, SOURCES OF DENTAL TRAINING INFORMATION, REGULATIONS PERTAINING TO DENTAL HYGIENIST LICENSING, A SAMPLE LICENSING EXAMINATION APPLICATION, AND A LIST OF CHARTER MEMBERS OF THE STATE ADVISORY COMMITTEE. (JK)

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A SUGGESTED 2 YEAR CURRICULUM

DENTAL HYGIENE

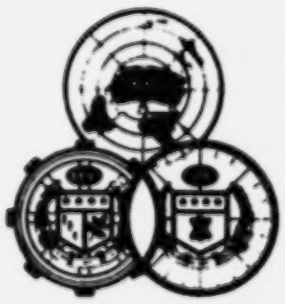
VOCATIONAL-TECHNICAL DIVISION
DEPARTMENT OF COMMUNITY COLLEGES
RALEIGH, NORTH CAROLINA

VT004490

Sep 67

DENTAL HYGIENE MANUAL

Guide for a Two-Year Post High School Curriculum



VOCATIONAL-TECHNICAL DIVISION
DEPARTMENT OF COMMUNITY COLLEGES
STATE BOARD OF EDUCATION
RALEIGH, NORTH CAROLINA

PREFACE

This manual has been prepared to provide information and guidelines for dental hygiene education to personnel of the North Carolina Community College institutions, to advisory committees and to community groups.

Teachers in the dental hygiene programs, members of the State Advisory Committee for Dental Auxiliary Education and representatives of the dental organizations throughout the State made many contributions to the content of the manual. The responsibility for the actual preparation was assumed by the Health Occupation staff of the Vocational-Technical Division of the Department of Community Colleges.

Sincere appreciation to all those who so graciously gave of their time in planning the content of this manual.

M E M O R A N D U M

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(3) Utilization of Material:
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Type of Program occupational entry
Occupational Focus specific occupational dental hygienist
Geographic Adaptability national use
Uses of Material for administration and teachers in planning programs
Users of Material administration and teachers

(4) Requirements for Using Material:
Teacher Competency professional in field of dental
Student Selection Criteria high school graduates with special abilities for dental work
Time Allotment 2 years

Supplemental Media -- listed in material
Necessary) (Check Which)
Desirable)

Describe

Source (agency)
(address)

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INTRODUCTION

Since the early 1950s there has been a growing trend in the dental profession to utilize auxiliary workers, thereby extending the capacity of each dental office to serve the public and to meet the dental health needs of the community. Full utilization of auxiliary workers requires a team approach, with the dentist, dental hygienist, and dental assistant each playing a significant role in providing full dental care to the public.

The practice of dental hygiene requires educational preparation. Initially this training was given in dental school settings, but the current trend is to establish such programs away from the dental school setting if certain criteria can be met by the educational institution and community resources. With growth of the Department of Community Colleges, it is now feasible to offer dental hygiene programs in North Carolina in those institutions which have appropriate curriculum offerings and can arrange for adequate clinical facilities.

The characteristics of the community college system which lend themselves to participation in dental hygiene education are:

1. Each institution has a student guidance program, with the aim of placing each student in the educational program best fitted to his ability, previous educational background, and occupational objectives.
2. Those institutions which have met the requirements of community college or technical institute status have broad, comprehensive curriculums, so that the range of offerings in general education and the basic sciences is adequate to support the specialized courses of the dental hygiene program.

3. Each institution is concerned with maintaining high quality of instruction in all programs, with each student being encouraged to achieve according to his full potential.
4. Community college institutions are so placed that they are within commuting distance of a large proportion of the population. Thus, the dental hygiene program could be made available to many students who cannot arrange to attend a four-year institution.

The one dental hygiene program in North Carolina which is in a dental school setting has limited enrollment and the number of graduates is not adequate to meet current demand in the State.

The Community College philosophy includes utilization of an advisory committee for each specialized program. The Dental Hygiene Program would therefore have the direction of such an advisory committee, composed of dentists, dental hygienists, educators, and other individuals representing groups with an interest in the program. The advisory committee, as well as the faculty and administration of the institution, would be concerned with establishing a quality program which meets the requirements of the Council on Dental Education of the American Dental Association and the recommendations of the American Dental Hygienists' Association.

Essentially, these requirements are for a balance of general education and specialized education taught at the college level, offered over a minimum of two academic years, and leading to a certificate in dental hygiene. The program as designed would combine vocational preparation with the benefits of general education.

The question of transfer credit for such courses is one to be resolved between the sponsoring institution and the receiving institution of higher learning. Professional groups at this time recommend that such an agreement exist, so that qualified students who wish to continue their studies beyond the two-year dental hygiene program may do so without loss of credit.

The role of the dental hygienist is to function as a member of the dental health team, with the primary purposes of providing preventive care and oral hygiene education, under the direction and supervision of a dentist. Thus, she is both a clinical practitioner and an oral health educator, using scientific methods of control and prevention of oral diseases, promoting maintenance of optimum health, and using public relations skills in instruction of patients and the public. She is the only member of the dental auxiliary group legally permitted to perform direct preventive procedures within the patient's mouth.

The dental hygienist is a financial asset to the dentist, in that she performs prophylactic and instructional services for patients, thereby freeing the dentist for more complex functions. She is an asset to the community as a consultant, as a dental health educator, and as a resource person. She thus plays an important role both in dental services and in promotion of dental health in the community.

The future appears bright for the dental hygienist. Each practitioner can feel assured of the opportunity for prolonged valuable service in a satisfying and stable career. The extension of dental hygiene services into new areas will lead to an even wider variety of opportunities in the future.

There are many situations in which the dental hygienist can function and, since the field is not well-known, current vacancies are widespread. There is demand for qualified dental hygienists in such areas as dental offices, public health programs, industrial health programs, public schools, research, the armed forces, and schools of dental hygiene. In terms of either a stable career or of opportunities for professional growth, dental hygiene is a promising field.

THE PROGRAM

Admission and graduation requirements for dental hygiene students will be determined by the sponsoring institution, in accordance with standards set by the American Dental Association Council on Dental Education and by the State Board of Dental Examiners.

Admission requirements include minimum age of 17, evidence of good character, graduation from an accredited high school or equivalent education, evidence of desirable personal qualities as indicated during interview, and evidence of aptitude for dental hygiene. It is desirable that students have a college preparatory curriculum in high school with above average achievement. Applicants will be required to take aptitude and achievement tests according to policies of the sponsoring institution. The American Dental Hygienists' Association strongly recommends that all applicants be given the Dental Hygiene Aptitude Test, which is administered only on pre-announced dates. Application to take the test must be submitted in advance usually two to three weeks prior to the test date. Full information on test dates and test centers may be obtained from the American Dental Hygienists' Association. Reports on this test are submitted to the schools and are not available to applicants. The fee for taking the test is nine dollars.

It has been found that successful practicing dental hygienists possess specific personal qualities, such as the ability to establish pleasant relationships with others, maturity, good adjustment, favorable attitudes toward others, initiative, acceptance of responsibility, and ability to communicate effectively. Evidence of such attributes may be a factor in student selection.

In order to graduate, students must show satisfactory achievement in both theory and practice, according to specific standards set by the institution. In general, at least a C average must be maintained for all courses.

The North Carolina Dental Practice Act requires that dental hygienists be licensed. This license is issued on the basis of performance on an examination administered by the State Board of Dental Examiners, consisting of both written and clinical performance tests. The title of Registered Dental Hygienist (RDH) may be used by those who successfully pass the examination. National Board Dental Hygiene Examinations (written only) are conducted by the Council of National Board of Dental Examiners, American Dental Association, on scheduled dates in places where there is an indicated need and suitable arrangements can be made. Forty-one states, including North Carolina, now accept the test results from this examination. It is to the graduate's advantage to have taken the National examination if she moves to one of these states; the institution therefore may want to encourage graduates to take both the National and State examinations.

In order to take the licensing examination, graduates must meet requirements of the State Board of Examiners. "Information and rules regarding the examination for license to practice Dental Hygiene" is reproduced in the appendix.

The curriculum of the dental hygiene program is based on the philosophy that the dental hygienist serves a valuable function in the community and in the dental health field when she fulfills her prescribed role. The objectives of the program are to provide opportunities for qualified students to acquire the knowledge and skills needed for effective participation on the dental health team and to encourage optimum development of the student's capacities as a citizen and as

a person. The curriculum therefore encompasses courses from general education, the basic sciences, the dental sicences, and laboratory and clinical practice; it is balanced in relation to both general education-specialized education and theory-practice.

The dental hygiene curriculum will vary slightly from one institution to another, according to the philosophy of the faculty and objectives of each program. The curriculum would generally include all or most of the following:

General education - English, sociology, psychology, health.

Basic sciences - Chemistry, anatomy and physiology, microbiology, histology, nutrition.

Specialized courses - Dental and oral anatomy, oral pathology, radiology, dental specialties, and dental hygiene practice.

The American Dental Association has delegated responsibility for accreditation of dental education programs to the Council on Dental Education. In 1964 the National Committee on Accrediting officially recognized the Council as the accrediting agency for dental hygiene education.

When the decision is made to add the dental hygiene curriculum in a community college institution, several months of preparation should be provided for the dental hygiene faculty to plan the details of the program prior to the admission of students.

Delivery and installation of equipment will require several weeks or months. Qualified faculty may prove difficult to find; once employed, the faculty will need time to plan the curriculum and make the contractual arrangments for clinical resources necessary for providing adequate student clinical practice.

Detailed plans for the total program, including the proposed curriculum, should be submitted to the Council on Dental Education for approval. Guidelines for planning the program are provided by the Council.*

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* American Council on Dental Education. "Requirements for the Approval of Educational and Certification Programs for Dental Personnel," Pp. 13-17.

FACILITIES

Classroom facilities for the dental hygiene program should provide a satisfactory learning environment. In some institutions it may prove economically desirable and educationally sound to combine dental hygiene students with other groups for general education courses and certain basic science courses.

The library should contain a variety of current dental references and periodicals, with duplicate copies of any in which student assignments will be made.

Specialized courses of the dental hygiene program require unique facilities for both laboratory work and clinical practice. Much of the laboratory work requires extensive practice on projects which extend throughout a quarter. Decisions will have to be made in regard to full utilization of laboratory space and equipment as opposed to optimum utilization of faculty and student time.

Clinical facilities present a unique problem which must be solved according to the resources available in each community. Extensive practice on actual patients is an integral part of the clinical hygiene curriculum. The ideal situation is to have a chair and unit in the school environment for each student; it is possible, however, to provide the necessary practice with fewer units by rotating the class by groups through the clinical facilities. This requires additional clinical teaching time for faculty, both the dentist and dental hygienist supervisor. Here again the decision must be made between purchasing extensive equipment and having complex scheduling problems with duplication of teaching assignments by members of the faculty.

An additional problem to be resolved is providing a supply of patients adequate for student practice during all the hours the clinic is open. Potential sources of patients are school children, welfare referrals, dental office referrals and the general public. Obtaining sufficient numbers of patients requires careful planning by school representatives and the advisory committee; the resultant plan should have the full support of dentists and community agencies.

Providing clinical practice within the school setting is educationally sound, in that optimum faculty supervision of each student can thus be provided. Placement of students in private offices has been used with varying success, but adequate supervision is difficult and an unwarranted burden is placed on the practicing dentist. During advanced phases of the program, placement in dental offices may be necessary, however, to provide experiences in operative and specialized procedures, available only in the dental office.

In addition to adequate classroom, laboratory, and clinical facilities, there should be locker and lounge space, in that students will wear uniforms in laboratory and clinical phases of the program.

The dental hygiene program requires specialized laboratory equipment, clinical chairs and units, and a large variety of instruments for each student. Some institutions require students to purchase those instruments which can later be used in private dental hygiene practice. Supplies in both the laboratory and clinical areas are also extensive and must be adequate for each student.

In some cases supplies are provided through student supply fees; in others, patients or patient sponsors are assessed supply fees associated with clinical services.

A full list of equipment and supplies is provided in the appendix.

THE FACULTY

The faculty for the dental hygiene program includes a dentist to function as department head, dental hygienists, dentists who serve as part-time teachers for specialized aspects of the dental science courses, and teachers from other departments of the institution. Each faculty member should be qualified for teaching through educational preparation, experience, and personal qualities, such as interest in and concern for the learner, understanding of principles of learning, dedication to teaching and to maintaining high standards of practice, and skill in communicating information to others.

Though it is desirable that the dental hygienists hold Master's degrees either in dental hygiene or in health education, it is essential that each have an interest in and aptitude for teaching and some experience as a practicing dental hygienist.

Teachers from other departments who are responsible for general education and/or basic science courses and the part-time dentists should be carefully oriented to the objectives of the dental hygiene program; each should fully understand the relationship of his area of instruction to the total program.

A written philosophy should be developed cooperatively by all members of the faculty. This philosophy should be consistent with that of the North Carolina Department of Community Colleges and of the sponsoring institution. Furthermore, it should reflect the convictions of the faculty related to the practice of dental hygiene, the role of the dental hygienist on the dental team and in the community, and the educational preparation necessary to prepare the student for effective functioning as a practitioner.

The number of faculty members needed will be influenced by enrollment. The nature of this instructional program requires that teacher-student ratios be kept as low as possible, especially for laboratory and clinical aspects of the program. Time should be allowed for individual conferences at frequent intervals, to provide for assessment of the student's progress and plan for meeting the needs of each student for personal and professional growth.

The complex nature of this program requires that there be ample time for group planning by the faculty.

The dental hygienist who acts as assistant department head should have a small teaching assignment, as scheduling student experiences and coordinating instructional activities among the many participants is a difficult and time-consuming problem in organization.

Recruitment of qualified faculty is at the present time one of the most difficult aspects of establishing a dental hygiene program. The supply of dental hygienists with degrees is limited, and dentists who are both prepared as educators and willing to take time from their practice are not in abundant supply.

The availability of qualified faculty at both levels, then, is one of the criteria for determining the feasibility of establishing a dental hygiene program in any given locality.

AGENCIES CONCERNED WITH DENTAL HYGIENE EDUCATION

The Department of Community Colleges sponsor dental hygiene education programs as a community service, to provide skilled practitioners and to make educational opportunities available to qualified students.

At the State level, the Department provides administrative direction, consultant services and assistance in curriculum planning and development of instructional materials through staff members of the Vocational-Technical Division. Valuable assistance is provided by the State Advisory Committee for Education of Dental Auxiliary Personnel Programs, whose members qualify as experts in the dental and educational fields; this group meets at intervals to consider problems and make recommendations.

At the local level, the administrative staff of the sponsoring institution works with a local advisory committee, the local dental society, the dental hygienists' organization, and representatives of other groups or agencies which are interested or involved in operation of the program.

When there is evidence of local interest in having a dental hygiene program, administrative officers of the local institution conduct a survey to determine the need for dental hygienists in the community, the number of potential enrollees, attitudes in the community, and employment opportunities. On the basis of these findings and other relevant data, local administrators decide whether to submit application for a dental hygiene curriculum to the State office. The extensive physical facilities needed and the cost of equipment for the program make budgetary considerations a large factor in such a decision.

Dental organizations at the local, state, and national level should be involved in any planning for a dental hygiene program. In the community, dentists must want and support the program if it is to be successful. Such support will make demands on the dentists' time, either as committee members or as participants in the instructional program. The State Dental Society is represented on the State Advisory Committee and has its own subcommittee on Dental Hygiene Education. The American Dental Association, through its Council on Dental Education, has provided guidelines for the establishment of programs and serves as the accrediting agency.

The American Dental Hygienists' Association and the North Carolina Dental Hygienists' Association have drawn up recommendations to support furtherance of dental hygiene education and to promote high standards of practice in dental hygiene and dental health education.

The State Board of Health, through the Dental Health Division, is concerned with promoting dental health education by using dental hygienists in local public health departments.

The North Carolina State Board of Dental Examiners has the responsibility for implementing the Dental Practice Act, including examination and licensure. Requirements for admission to the licensing examination for dental hygienists include graduation from a program approved by the State Board of Dental Examiners and/or accredited by the American Dental Association Council on Dental Education. This examination is administered annually in June.

Other organizations concerned with dental hygiene education include the U. S. Public Health Service, the American Association of Dental Schools, and the American Association of Dental Examiners.

REFERENCES

American Dental Association. "Policies and Guidelines for the Training of Dental Auxiliaries." Chicago: American Dental Association, 1965.

_____. "Requirements for the Approval of Education and Certification Programs for Dental Personnel." Chicago: American Dental Association, 1962.

_____. "National Board Dental Hygiene Examinations." Chicago: ADA, American Dental Hygienists' Association. "Dental Hygiene Aptitude Testing Program." Chicago: American Dental Hygienists' Association.

APPENDIX

HEALTH OCCUPATION TECHNOLOGY

DENTAL HYGIENE

INTRODUCTION

Purpose of Curriculum

The dental hygienist has long been a recognized auxiliary member of the dental profession. Only a relatively small number of hygienist have graduated each year as there were few training programs until recently when the Council on Dental Education encouraged establishment of the curriculum in recognized educational institutions offering college level education and training in technical institutes and community colleges. The number of schools of dental hygiene has grown rapidly in recent years as the dental profession has recognized the contribution that the dental hygienist can make to the extension of services to the public. The demand for graduates far exceeds the present supply and it is anticipated that this will continue into the future.

Subjects in the two year program in dental hygiene may be grouped under three general headings: general education, basic sciences, dental sciences and clinical practice. Under the general headings the following courses are included:

- General education: English, psychology, sociology and speech.
- Basic sciences: anatomy, chemistry, histology, microbiology, nutrition, pathology, physiology and pharmacology.
- Dental sciences: dental anatomy, oral histology and embryology, head and neck anatomy, oral pathology, radiology, dental health education, dental public health, and other courses similarly directed toward the special interests of dental hygienists

  and

  clinical practice: laboratory practice and clinical experience in the techniques the dental hygienist uses to aid in the prevention of dental decay and periodontal (gum) disease.

Approximately 20% of the credits earned in a two year program may be earned in general education, 30% in basic sciences, 30% in dental sciences and 20% in clinical practice.

To comply with the policies of the profession and with state dental practice acts, a licensed dentist is available to supervise and direct all clinical phases of dental hygiene training.

Job Description

The role of the dental hygienist is to function as a member of the dental health team, with the primary purposes of providing preventive care and oral hygiene education, under the direction and supervision of a dentist. She is both a clinical practitioner and an oral health educator, using scientific methods of control and prevention of oral diseases, promoting maintenance of optimum health, and using public relations skills in instruction of patients and the public. The dental hygienist is the only member of the dental auxiliary personnel group legally permitted to perform direct preventive procedures within the patient's mouth. The duties and functions assigned to the dental hygienist by the dental profession are viewed as essentially professional in nature.

HEALTH OCCUPATION TECHNOLOGY

DENTAL HYGIENE

SUGGESTED CURRICULUM IN QUARTERS

Course Title	Hours Per Week		Quarter Hours
FIRST QUARTER	Class	Lab.	Credit
T-ENG 101 Grammar	3	0	3
T-DEN 103 Dental Hygiene I	3	0	3
T-DEN 101 Dental Anatomy I	2	6*	4
T-BIO 101 Human Anatomy & Physiology I	4	2	5
T-DEN 117 Personal & Community Health	3	0	3
	15	8	18
SECOND QUARTER			
T-ENG 102 Composition	3	0	3
T-DEN 105 Dental Hygiene II	1	9*	4
T-DEN 102 Dental Anatomy II	3	0	3
T-BIO 102 Human Anatomy & Physiology II	4	2	5
T-CHM 102 Chemistry for Dental Hygienists	4	2	5
	15	13	20
THIRD QUARTER			
T-ENG 103 Report Writing	3	0	3
T-DEN 110 Dental Hygiene III	1	9*	4
T-DEN 112 Community Dentistry I	2	0	2
T-BIO 112 Bacteriology for Dental Hygienists	3	4	5
T-DEN 114 Oral Histology & Embryology	3	0	3
	12	13	17

*"Manipulative laboratory" involves development of skills and job proficiency. Credit of one quarter hour for each three hours of laboratory.

Course Title	Hours Per Week Class	Lab.	Quarter Hours Credit
FOURTH QUARTER			
T-ENG 204 Oral Communication	3	0	3
T-DEN 202 Dental Hygiene IV	1	15*	6
T-DEN 206 Community Dentistry II	3	0	3
T-DEN 203 General and Oral Pathology	5	0	5
T-NUT 101 Nutrition	2	0	2
	14	15	19
FIFTH QUARTER			
_____ Social Science Elective	3	0	3
T-DEN 215 Community Dentistry III	2	0	2
T-DEN 208 Dental Hygiene V	1	15*	6
T-DEN 210 Dental Materials in Dental Hygiene Practice	2	4*	4
T-DEN 216 Dental Pharmacology	2	0	2
	10	19	17
SIXTH QUARTER			
_____ Social Science Elective	3	0	3
T-DEN 217 Dental Hygiene VI	1	15*	6
T-DEN 218 Community Dentistry IV	2	0	2
_____ Elective	-	-	-
	6	15	17
Total Quarter Hours in Courses			108
Electives (Min.)			3
			111

HEALTH OCCUPATION TECHNOLOGY

DENTAL HYGIENE

COURSE DESCRIPTIONS BY QUARTERS

FIRST QUARTER	Hours Per Week: Class	Lab.	Quarter Hours Credit
T-ENG 101 Grammar	3	0	3

Designed to aid the student in the improvement of self-expression in grammar. The approach is functional with emphasis on grammar, diction, sentence structure, punctuation, and spelling. Intended to stimulate students in applying the basic principles of English grammar in their day-to-day situations in industry and social life.
Prerequisite: None.

T-DEN 103 Dental Hygiene I	3	0	3

Designed to introduce the student to the scope, role, and responsibilities of dental hygiene practice. Lectures and discussions focus on historical developments, areas of service, career opportunities, professional organizations, roles and relationships on the dental health team, and legal and ethical aspects of dental hygiene practice.
Prerequisite: None.

T-DEN 101 Dental Anatomy I	2	6*	4

Study of the structure of the mouth, the teeth and supporting tissues. Laboratory experiences consist of scale drawings and wax carvings of surfaces of the right maxillary and mandibular permanent teeth.
Prerequisite: None.

T-BIO 101 Human Anatomy & Physiology I	4	2	5

A study of the organizational plan of the human body and of the body systems concerned with motor activities, control and integration of functions, and reproduction. Laboratory experiences provide opportunities to see animal specimens illustrative of systems being studied.
Prerequisite: None.

T-DEN 117 Personal & Community Health	3	0	3

Study of personal, family and community health, with emphasis on health practices and resources for promotion of optimal health.
Prerequisite: None.

SECOND QUARTER

T-ENG 102 Composition 3 0 3

Designed to aid the student in the improvement of self-expression in business and technical composition. Emphasis is on the sentence, paragraph and whole composition.
Prerequisite: T-ENG 101.

T-DEN 105 Dental Hygiene II 1 9* 4

Comprehensive study of soft deposits, dental calculus, and stains with emphasis on the techniques of dental prophylaxis, sterilization and other preventive procedures associated with dental hygiene practice. Laboratory sessions will be utilized for orientation to the instruments, equipment and materials used in dental prophylaxis procedures and for practice in performing these procedures on manikins prior to actual work on patients.
Prerequisite: T-DEN 103.

T-DEN 102 Dental Anatomy II 3 0 3

Study of head and neck anatomy, with emphasis on applications to dental hygiene practice.
Prerequisite: T-DEN 101.

T-BIO 102 Human Anatomy & Physiology II 4 2 5

A study of body metabolism and the role of the digestive, respiratory, circulatory, and urinary systems in the various processes essential to total body functioning. Laboratory experiences provide opportunity to see animal organs representative of systems being studied.
Prerequisite: T-BIO 101.

T-CHM 102 Chemistry for Dental Hygienists 4 2 5

Study of the physical and chemical properties of substances; chemical changes; elements, compounds, gases, chemical combinations; weights and measurements; theory of metals; acids, bases, salts, solvents, solutions, and emulsions. Overview of organic compounds and of physiological processes involving chemical changes.
Prerequisite: None.

THIRD QUARTER

T-ENG 103 Report Writing 3 0 3

The fundamentals of English are utilized as a background for the organization and techniques of modern report writing. Exercises in developing typical reports, using writing techniques and graphic devices, are completed by the students. Practical application in the preparation of a full-length report is required of each student at the end of the term. This report must have to do with something in this chosen curriculum.
Prerequisite: T-ENG 102.

T-DEN 110 Dental Hygiene III	1	9*	4

Study of the care and maintenance of dental instruments, equipment and supplies; medical and dental emergencies; patient management; and dental records, including personal and medical histories. Methods and materials used in individual patient education will be emphasized. Clinical practice will include opportunities to develop skill in the performance of the dental prophylaxis, application of preventive agents, oral inspections and individual dental health instruction.
Prerequisite: T-DEN 105.

T-DEN 112 Community Dentistry I	2	0	2

Study of public health, including epidemiology, purposes and functions of public health agencies, and relationships of dental health to total health in the community.
Prerequisite: T-DEN 117.

T-BIO 112 Bacteriology for Dental Hygienists	3	4	5

Study of microorganisms, including classification, morphology, culture methods and media, identification, role of pathogenic species in disease, modes of transmission, and methods of control. Emphasis is given to applications in dental hygiene practice. Laboratory experiences provide opportunities for microscopic study of slides, for preparing slides and cultures, and for identifying colonies of selected pathogenic organisms.
Prerequisite: None.

T-DEN 114 Oral Histology & Embryology	3	0	3

Study of the embryonic development of the face and oral cavity, of structure and functions of the primary tissues, of morphology of body systems, and of the structure of teeth. Emphasis is given throughout to clinical considerations as related to dental hygiene practice.
Prerequisite: T-DEN 102.

FOURTH QUARTER

T-ENG 204 Oral Communication	3	0	3

A study of basic concepts and principles of oral communications to enable the student to communicate with others. Emphasis is placed on the speaker's attitude, improving diction, voice, and the application of particular techniques of theory to correct speaking habits and to produce effective oral presentation. Particular attention given to conducting meetings, conferences, and interviews.
Prerequisite: T-ENG 101.

T-DEN 202 Dental Hygiene IV	1	15*	6

Study of the theory and principles of exposing, processing and mounting dental radiographs. Clinical experience will include dental prophylaxis, application of preventive agents, charting, dental radiographs, and chairside dental health instruction.
Prerequisite: T-DEN 110.

T-DEN 206 Community Dentistry II	3	0	3

Study of dental health as a community problem; emphasis on roles of public health agencies and the dental team in promoting dental health on community, state, and national levels.
Prerequisite: T-DEN 112.

T-DEN 203 General and Oral Pathology	5	0	5

Study of pathological processes, physical manifestations of selected disease, and common pathological conditions of the teeth and oral cavity. Emphasis is given to the role of the dental hygienist in recognizing pathological manifestations and in determining appropriate action.
Prerequisite: T-DEN 114.

T-NUT 101 Nutrition	2	0	2

Study of basic facts from the field of nutrition, with emphasis on applications to the planning of balanced diets to meet the needs of individuals in various life stages. The responsibilities of health workers in promoting good nutrition is stressed.
Prerequisite: None.

FIFTH QUARTER

_____ Social Science Elective**	3	0	3

T-DEN 215 Community Dentistry III	2	0	2

Further study of the theory and practice of preventive dentistry; introduction to the methodology and resources for teaching dental health in schools, institutional clinics, industry, and private general and specialized dental practice.
Prerequisite: T-DEN 206.

T-DEN 208 Dental Hygiene V	1	15*	6

Lectures will include the study of the economics, ethics, and jurisprudence of dental and dental hygiene practice and an overview of the various specialties in dentistry. Clinical experience in applied dental hygiene will be continued, with observation and assisting experience in the dental specialties.
Prerequisite: T-DEN 202.

T-DEN 210 Dental Materials in Dental Hygiene Practice	2	4*	4

Study of dental materials commonly used in the dental office and laboratory. Practice in manipulation of selected materials and in performance of selected procedures of the dental office laboratory.
Prerequisite: T-CHM 102.

T-DEN 216 Dental Pharmacology	2	0	2

Study of basic information related to field of pharmacology, followed by survey of classes of drugs commonly prescribed in modern dentistry and medicine. Emphasis on use by the hygienist of knowledge of drugs in overall understanding of patient histories and health status. Role of the hygienist in drug administration is carefully delineated.
Prerequisite: T-CHM 102.

SIXTH QUARTER

_____ Social Science Elective**	3	0	3

T-DEN 217 Dental Hygiene VI	1	15*	6

Seminars to discuss clinical problems relative to the management of patients with special problems and to study the motivation and education of dental patients. Clinical experience will be continued in the areas of applied dental hygiene, dental radiographs, dental specialties, and total patient care.
Prerequisite: T-DEN 208.

T-DEN 218 Community Dentistry IV	2	0	2

Study of dental health education problems and practices; student participation in planning and implementing a dental health education program in cooperation with a community agency.
Prerequisite: T-DEN 215.

ELECTIVES

An appropriate list of electives for this curriculum is shown from which the institution may select courses to complete the program of study. The institution has the prerogative to develop new courses for the electives or to modify courses from the suggested list to fulfill the local objectives. It is suggested, however, that technical courses be appropriate to the major area of study; that they not change or alter the major objectives of the program nor create a false impression of proficiency in an area either related or foreign to the major.

Elective courses must be selected from an associate degree course or new courses should be developed at a comparable level. The institution may elect to require certain courses or may let the student select an appropriate course.

SOCIAL SCIENCE

T-SSC 201 Social Science 3 0 3

An integrated course in the social sciences, drawing from the fields of anthropology, psychology, history, and sociology.
Prerequisite: None.

T-SSC 202 Social Science 3 0 3

A further study of social sciences with emphasis on economics, political science, and social problems as they relate to the individual.
Prerequisite: T-SSC 201.

T-PSY 206 Applied Psychology 3 0 3

A study of the principles of psychology that will be of assistance in the understanding of inter-personal relations on the job. Motivation, feelings, and emotions are considered with particular reference to on-the-job problems. Other topics investigated are: employee selection, supervision, job satisfaction, and industrial conflicts. Attention is also given to personal and group dynamics so that the student may learn to apply the principles of mental hygiene to his adjustment problems as a worker and a member of the general community.

T-ECO 120 Economics 3 0 3

The fundamental principles of economics including the institutions and practices by which people gain a livelihood. Included is a study of the laws of supply and demand and the principles bearing upon production, exchange, distribution, and consumption both in relation to the individual enterprise and to society at large.
Prerequisite: None.

P-SOC 205 American Institutions	3	0	3

A study of the effect of American social, economic, and political institutions upon the individual as a citizen and as a worker. The course deals upon current local, national and global problems viewed in the light of our political and economic heritage.

P-POL 201 United States Government	3	0	3

A study of government with emphasis on basic concepts, structure, powers, procedures and problems.
Prerequisite: None.

_____ General Psychology**	3	0	3

_____ Sociology**	3	0	3

**Required by the Council on Dental Education of the American Dental Association.

SUGGESTED LIBRARY REFERENCE BOOKS FOR DENTAL HYGIENE PROGRAM

Publisher: Academic Press
111 Fifth Avenue
New York 3, New York

ITEM	DESCRIPTION
1.	The Bacteria: Volume I - Volume V: Cornelius Stanier

Publisher: Columbia University Press
2960 Broadway
New York 27, N. Y.

ITEM	DESCRIPTION
1.	Principles of Cleft Palate Prosthesis: Cloyd S. Harkins

Publisher: Thomas Y. Crowell Company
Park Avenue South
New York 3, N. Y.

ITEM	DESCRIPTION
1.	General Biology: Alexander

Publisher: F. A. Davis Company
1914 Cherry Street
Philadelphia, Pennsylvania 19103

ITEM	DESCRIPTION
1.	Textbook for Dental Nurses: Henry Levison
2.	Applies Dental Materials, John Anderson

Publisher: The Devin-Adair Company
23 E. 26th Street
New York 10, N. Y.

ITEM	DESCRIPTION
1.	Open Door to Health, Fred Miller

Publisher: J. B. Lippincott Company
East Washington Square
Philadelphia 5, Pennsylvania

ITEM	DESCRIPTION
1.	Oral Histology: Dentals Provenza
2.	Color Atlas of Oral Pathology: Robt. A. Gulley and others
3.	In the Dentists Office: Goldie Morrison
4.	Orthodontics: Principles and Prevention: Jacob A. Salzmann
5.	Orthodontics: Practice and Technique: Jacob A. Salzmann

Publisher: The MacMillan Company
60 Fifth Avenue
New York, N. Y. 10011

ITEM	DESCRIPTION
1.	Anatomy and Physiology: Kimber, Gray, Stackpole and Leavell

Publisher: Lea and Febiger
Washington Square
Philadelphia 6, Pennsylvania

ITEM	DESCRIPTION
1.	Histopathology of the Teeth and Their Surrounding Structures: Kronfeld, Edited by Paul E. Boyle
2.	A Manual of Oral Embryology and Microscopic Anatomy: Dorothy S. Fawcett
3.	Grays Anatomy of the Human Body: Edited by Charles Mayo Goss
4.	Elements of Human Physiology: Milton Scott Lucas
5.	Atlas of Human Histology: (to be used in conjunction with texts) Harlamo S. K. De Flore
6.	Antisepsis, Disinfectants, Fungicides and Chemical and Physical Sterilization: Edited by Geo. F. Reddish
7.	Oral Pathology and Introduction to General Pathology for Hygienists: Kerr and Ash
8.	Dental Roentgenology: Ennis and Davey
9.	Clinical Practice of the Dental Hygienist: Wilkins and Mulhollough
10.	Diseases of Dental Hygiene, Pauline F. Steele
11.	Dental Health Situation, Francis A. Stull
12.	Fixed Partial Prosthesis: Joseph Asbig
13.	Orthodontic Practice: Louis J. Grossman
14.	A Textbook of Orthodontology: Oppidge and Canut

Publisher: McGraw-Hill Book Company, Inc.
(Gregg Division)
330 West 42nd Street
New York 36, N. Y.

ITEM	DESCRIPTION
1.	Outline of Oral and Dental Anatomy: Jack Young
2.	Elements of Zoology: Storer and Usinger
3.	Fundamental Principles of Bacteria: A. J. Salle
4.	General Chemistry: Jones
5.	Introductory General Chemistry, Gewalt
6.	Principles of Organic Chemistry: English and Cassidy
7.	Dentistry for Children: John C. Brauer
8.	Textbook of Operative Dentistry: McLaren, True and Lasaigo
9.	Stedman's New Gould Medical Dictionary
10.	Introduction to Psychology, 2nd. Edition, Clifford T. Morgan
11.	Abnormal Psychology: James S. Page
12.	The Social Order, 2nd Edition, Blackwell
13.	Sociology: An Analysis of Life in Modern Society: Arnold M. Rose

Publisher: Merck & Company, Inc.
Rahway
New Jersey

ITEM	DESCRIPTION
1.	The Merck Manual: Merck Company

Publisher: C. V. Mosby Company
3207 Washington Boulevard
St. Louis, Missouri

ITEM	DESCRIPTION
1.	Orbans Oral Histology and Embryology: Edited by Henry Sicher
2.	Oral Physiology: A Comprehensive Review for Dental Hygienists: Peterson
3.	Outline of Histology: Gerrit Bevelander
4.	Microbiology and Pathology: Alice L. Smith
5.	Oral Pathology: Kurt Thoma
6.	General Biology: Beaver
7.	Dental Auxiliary Personnel by the Workshop on Dental Auxiliary Personnel
8.	Practical Orthodontics: Geo. M. Anderson
9.	Pediatric Dentistry: M. Michael Cohen
10.	Clinical Dental Hygiene: Peterson
11.	The Management of Oral Diseases: Joseph Sarnat
12.	Oral Surgery: In 5 volumes, Kurt Thoma
13.	Local Anesthesia and Pain Control in the Dental Practice: Leonard M. Monheim
14.	General Anesthesia in Dental Practice: Leonard M. Monheim
15.	Complete Dentures: Marvin M. Swenson, Edited by Earl Sarnat
16.	An Introduction to Periodontia: Goldman

Publisher: C. V. Mosby Company (Continued)

ITEM	DESCRIPTION
17.	Periodontal Therapy: Goldman
18.	Orban's Periodontics: Daniel Grant
19.	Restorative Dental Materials: Peyton
20.	Current Clinical Dental Terminology: Carl Boucher
21.	Review of Dentistry: Maynard K. Hine
22.	Applied Psychology in Dentistry: William Chenoti

Publisher: Oxford University Press, Inc.
417 Fifth Avenue
New York 16, N. Y.

ITEM	DESCRIPTION
1.	Materia Medica for Dentists: Goldman
2.	Manual of Elementary Zoology: Hegner

Publisher: Prentice Hall, Inc.
Englewood Cliffs
New Jersey

ITEM	DESCRIPTION
1.	Handbook for Dental Assistants, Hygienists and Secretaries: Samuel J. Brogniello

Publisher: W. B. Saunders Company
West Washington Square
Philadelphia, Pennsylvania 19105

ITEM	DESCRIPTION
1.	Textbook of Dental Anatomy and Physiology: Russell C. Wheeler
2.	An Atlas of Tooth Structure: (to be used with textbook). Russell C. Wheeler
3.	Human Anatomy and Physiology: King and Showers
4.	Textbook of Microbiology: Burrows
5.	Nutrition in Clinical Dentistry: Abraham E. Wisel
6.	Clinical Dental Roentgenology: John Updall
7.	Community Health Services: Wilbur, M. B.
8.	Oral Surgery: W. Harry Archer
9.	Emergencies in the Dental Office: Hughes
10.	Emergency Treatment and Management: Fish
11.	A Manual of Dental Anesthesia: W. Harry Archer
12.	Preparation of the Teeth and Construction of the Various Types of Full Coverage Restorations: Sol. E. Dreiser
13.	Essentials of Removable Partial Denture Prosthesis: Oliver E. Applegate
14.	Complete Denture Prosthesis: Gell and Drews
15.	The Science of Dental Materials: Skinner and Phillips
16.	Elements of Dental Materials for Dental Hygienists and Assistants: Skinner
17.	Dental Radiography: O'Brien

Publisher: Williams & Wilkins
420 E. Preston Street
Baltimore, Maryland

ITEM	DESCRIPTION
1.	Oral Microbiology and Infectious Diseases: Geo. W. Burnett
2.	Inlays, Crowns and Bridges: Restorative

October 1966
Date

EQUIPMENT LIST

1. Name of Facility (Lab, Shop, Classroom, Etc.) Dental Hygiene

2. Number of Students 12

3. Committee Members: Dr. Roger Easton, DMD, Chapel Hill; Miss Alberta Dent, DHE, Chapel Hill; Miss Patricia Griffith, Wayne CC, Goldsboro; Mrs. Charlotte P. Perry, Wayne CC, Goldsboro; Mr. E. Stanley Sound, Durham CC; and Miss Miriam Donahoe, Educational Consultant, Health Occupations, Department of Community Colleges

4. Basic Cost (Minimum) $20,669.80

5. Supplemental Cost 2,295.42

6. Total Basic and Supplemental Cost (Maximum) $22,965.22

7. Remarks: List is not in detail. X-Ray and dark room, classroom-laboratory, and laboratory with equipment and supplies can be used with Dental Assistant Program; however, this would depend on the number of students, lecture classrooms available, and proper scheduling of laboratories. This is not an all inclusive list since clinical facilities are so different and all teachers vary in their use of these, as well as their approach to the curriculum.

8. Accessible equipment list may be obtained from Health Occupations Education Office, North Carolina Department of Community Colleges.

DEPARTMENT OF [illegible]

Basic Equipment List for Dental Hygiene

(Shop, Laboratory or Area)

ITEM NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1.	10	Motor Model F.C. 5 Unit (Special light adaption mounted on side of unit)	$ 2,200.00	$ 22,000.00
2.	10	Conventional Motor driven chair, Minor Co.	900.00	9,000.00
3.	10	Light Mechanic, Pulmodrive	600.00	6,000.00
4.	10	Mobile Instrument Cabinet, Pulmodrive Co.	450.00	4,500.00
5.	2	Model 100 Autoclave, Pulmodrive	300.00	600.00
6.	2	Air Compressor, Gulf, Pulmodrive	250.00	250.00
7.	10	Operating Stools, Pedigo	30.00	300.00
8.	10	Ball Bearing Handpiece, Midwest	92.00	$ 1,072.00
9.	1	Mobile recorder, Jensen	200.00	200.00
10.	1	Radiograph, Dentaspeed Co.	600.00	600.00
11.	10	Instrument Mobile cabinets	100.00	$ 1,000.00
		a. Model silverlaminate, WIDE		
		b. Glassteel tanks, plain		
		c. Instruments, DRAWS, USE, Disposable Instruments		
12.	8	Microscope, Bausch, Spencer, 3 objectives	337.00	$ 2,696.00
13.	1	Technician's Desk, 3' & 5', Glass	68.00	68.00

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
24.	1	Desk, Instructor	8.00	8.00
25.	2	Office Cabinets (4 drawer)	75.00	150.00
26.	1	Audio-Aid Supply Cabinet	150.00	150.00
		Total		$2,833.64

CLASSROOM - LABORATORY (FOR 32 STUDENTS AND ONE TEACHER)

27.	32	Student laboratory bench assembly Delta #110 top section, chalk, light, gas, electric and air at each position, Fisher Co.	307.00	4,350.00
28.	32	Student engine, bench type, 110V, 60 cycles, AC with engine built, Sears Co.	60.00	960.00
29.	1	Storage Cabinet	125.00	125.00
30.	2	Compound Lantern with Electrostart, Sears Co. or GSE Co.	40.00	80.00
31.	32	Glasses burners and spider	0.50	37.50
32.	32	Beakers, straight Dental, round form, No. 10, Pittsburgh Co. or G.E. Co.	02.00	1,000.00
33.	1	Articulator, Sears Co.	64.00	64.00
34.	1	Face Bow, Sears Co.	12.50	12.50
35.	2	Spare Mounting plates and wire forms	2.00	4.00
36.	6	Rubber Occlusal Molds, 22 G, Columbia Co.	5.00	30.00
37.	6	Rubber Occlusal Molds, 33F, Columbia Co.	5.00	30.00
38.	4	Lantern, Gas Co.	4.50	18.00
39.	3	Sharpening Stone, 12 India, Sears Co.	1.10	3.30

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
33.	13	Articulator, #760 with 3 prepared teeth, Columbia Dental Co.	35.00	455.00
34.	13	Bowl, large plaster, rubber, Hygienic Co.	1.45	18.85
35.	13	Carver, Hollenback, #3, Clav-Dent Co.	2.90	37.70
36.	13	Former, crucible, Hollenback (rubber) Kerr Co.	1.80	23.40
37.	13	Gauge, Boley, B.D.M. Co.	4.00	52.00
38.	13	Knife, plaster, #7, B.D.M. Co.	1.00	15.00
39.	13	Mechanical spatulator and bowl, Kerr Co.	10.60	137.80
40.	13	Mortar and pestle, glass, Baker Co.	1.50	19.50
41.	13	Pan, sauce, 3" depth, Local Store	2.50	32.50
42.	13	Plastic filling instrument, WDS #3, S. S. White Co.	3.00	39.00
43.	13	Plate, wax melting, B.D.M. Co.	1.40	18.20
44.	13	Pliers, operating dressing, S. S. White Co.	1.50	19.50
45.	13	Ring, Casting, Medium, Kerr Co.	1.00	13.00
46.	13	Shears, #68, Ideal Co. or B.D.M. Co.	3.75	48.75
47.	13	Scissors, 115, Curved, S. S. White Co.	3.00	39.00
48.	13	Slab, Glass, Cement Mixing, Caulk Co.	2.60	33.80
49.	13	Spatula, agate, S. S. White Co.	3.00	39.00
50.	13	Spatula 1A/8, B.D.M. Co.	2.00	26.00
51.	13	Spatula, Hussong, S. S. White Co.	3.00	45.00
52.	15	Spatula, #7, S. S. White Co.	2.00	30.00
53.	13	Spatula, #244, S. S. White Co.	1.75	22.75
54.	13	Syringe, Cox Co.	8.00	104.00
55.	13	Torch, Alcohol, Hanau Co.	10.30	133.90

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
53.	13	Tray, 13" full upper, impression, Coe Co.	2.00	26.00
54.	13	Tray, 13" full lower, impression, Coe Co.	2.00	26.00
55.	13	Tray, Lucite, L Shape, Local Store	1.00	13.00
56.	15	Tweezers, #175A, Soldering, Stainless, B. D. M. Co.	3.00	45.00
57.	15	Spatual, plaster, #3, Moyer Co.	1.50	22.50
58.	13	Magnarule, #81-68-68-X, Bausch & Lamb or equal	1.00	13.00
59.	15	Pliers #110SR, S. S. White Co.	8.50	127.50
60.	26	Jar, mixing acrylic, medium, Caulk Co.	.50	13.00
61.	13	Syringe, 20 cc, plastic	2.00	26.00
62.	26	Mandrel #303, B. D. M. Co.	.40	10.40
			Total	$8,573.00

LABORATORY

63.	1	Laboratory, Casting, Plaster and Storage Bench for 12 students, including sink, plaster trap, casting well, gas, water, air and electric outlet, Coe Co.	1,260.00	1,260.00
64.	2	Casting Machine (Centrifugal), Kerr Co.	85.00	170.00
65.	6	Splash Pans, Baldor Co.	5.00	30.00
66.	2	Model Trimer, Torit Co.	150.00	300.00
67.	3	Lathe, dental laboratory, 115V, 60 cycles, 2 speed, complete with bur chuck, 1RH stone chuck, 1RH spiral chuck and 1LH regular spiral chuck, Baldor Co.	65.00	195.00

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
68.	1	Investor, Vacuum with accessories, Whipmix Co.	$[illegible]	$[illegible]
69.	2	Torch, welding, B. B. M. Co.	20.00	40.00
70.	1	Bath, water thermostatically controlled, 110V, 60 cycle AC, Whipmix Co.	65.00	65.00
71.	1	Inlay furnace, Jelenko Co.	2000.00	2000.00
72.	2	Vibrator, dental model 100V, 60 cycle, AC, Kerr Co. or Teethmaster Co.	90.00	180.00
73.	1	Plaster bin, Cox Co., or Handler Co.	100.00	100.00
74.	2	Balance scales, Sliding Arm, Cox Co.	25.00	50.00
75.	1	Pickling Dish, Porcelain, S.S.W. Co.	3.40	3.40
76.	1	Tongs (may come with Casting Machine)		
			Total	$2,736.40

X-RAY FOR 3 OPERATORIES

77.	1	X-Ray, dental unit, Modulex G2, 90KU, Ritter Co.	1,150.00	1,150.00
78.	1	X-Ray, dental unit (equivalent to Ritter), Weber Co.	1,000.00	1,000.00
79.	1	X-Ray, dental unit (equivalent to Ritter), General Electric	1,100.00	1,100.00
		or		
		One X-Ray Room with		
	1	X-Ray dental unit, Modulex G2, 90KU,	1,150.00	1,150.00
	1	X-Ray dental unit, Weber, Model FUM Motor Chair	1,000.00	1,000.00
	1	X-Ray dental unit, General Electric	1,100.00	1,100.00

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
83.	3	Film Dispenser, dental X-Ray, Eastman-Kodak	14.95	44.85
84.	3	Film, receptacle, dental X-Ray, Eastman-Kodak	7.95	22.85
85.	3	Floor protection screen, Wolfe Co. or lead wall lining	75.00	225.00
86.	3	Lling aprons, protective, Palmero Co.	29.00	88.95
87.	3	Viewer, X-Ray dental, 10" x 12", Wolfe Co.	39.95	119.85

DARK ROOM

85.	1	Cabinet with stainless steel sink, 12" x 18" x 6", Incorporate spout and flow control valves with storage cabinets above	300.00	300.00
86.	1	Safe Light with filters, 7½" adjustable, Eastman Kodak	13.00	13.00
87.	1	Interval timer, mechanical, G. E. Co.	11.95	11.95
88.	1 doz.	Film Hangers, Wolfe Co.	36.00	36.00
89.	1	Storage box, 3 gram, Ritm Co.	16.00	16.00
90.	2	Developing tanks, General Electric Co.	79.95	159.90
91.	1	Refrigeration Unit	208.00	208.00
92.	1	Dental Viewer, recessed 115V, 60	25.00	25.00
		Total		$4,522.85

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
BASIC EQUIPMENT FOR DENTAL ASSISTANT PROGRAM AREA				
1.	Classroom - Laboratory (Size 3' ... Dental Assistant Program Area)			$8,575.00
2.	Laboratory (Size Dental Assistant equipment Area)			2,736.45
3.	X-Ray and Dark Room (Size Dental Assistant equipment Area)			4,562.80

DEPARTMENT OF COMMUNITY COLLEGES

Supplementary Equipment List for Dental Hygiene

(Shop, Laboratory or Area)

1.	1	Closed Circuit T. V.	$2,500.00	$2,500.00
2.	1	Slide Projector, 2" x 2"	250.00	250.00
3.	1	Tape Recorder, Wollensak	300.00	300.00
4.	1	Overhead Projector, portable, Bausch 17700, Portascriber	139.49	139.49
5.	1	Movie Projector, 16 MM Sound, single case unit, Bell & Howell, 240	279.17	279.17
6.	1	Screen, Projection, Matte white, wall	18.75	18.75
				$2,286.41

[redacted]

[redacted]

Expendable Equipment List

October 1968

[redacted]

1. Name of Facility (Lab, Shop, Classroom, Etc.) Dental Hygiene

2. Number of Students 15

3. Committee Members: Dr. Roger Dalton, UNC, Chapel Hill; Miss Alberta Hunt, UNC, Chapel Hill; Miss Patricia Griffith, Wayne CC, Goldsboro; Mrs. Charlotte P. Dunn, Wayne CC, Goldsboro; Mr. E. Stanley Howard, Durham CC; and Miss Minton Daughtry, Educational Consultant, Health Occupations, Department of Community Colleges.

4. Expendable Cost (Minimum) $2,225.00

5. Comments: List is minimum in detail and cannot be considered an all inclusive recommendation. List shows facilities, wear and breakage and basic difficulties of materials according to their stated objectives for this curriculum.

DEPARTMENT OF DOMESTIC SCIENCE

List of Expendable Equipment

(Salt, Stove, Classroom, Etc.)

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1.		Expendable Clinic Supplies	$ 4.000.00	$ 4.000.00
2.		Expendable Instructional Supplies	$ 4.000.00	$ 4.000.00
3.		Miscellaneous	500.00	500.00
		a. Repair of equipment		
		b. Student personal items		
4.	23	Kit, prophylaxis, introductory outfit containing prophylaxis right angle, ☞ 4H cups and brushes, straight handpiece, Handvil-Hanco	10.00	230.00
5.	3 boxes	Gloves, 7/8" x 7½", medium, Denture Co.	.50	1.50
6.	3 boxes	Disc, Burlew-Johnson Co.	.89	2.55
7.	1 box	Disc, Separating, 7/8" flat, double cut, Denture Co.	1.20	1.20
8.	20 packs	Mixing paper pads, 4" x 4", Dee Co.	.50	10.00
9.	1 box	Cellophane Sheets, 4" x 4", Dee Co.	2.50	2.50
10.	1 jar	Dowell pins (100) Key Co.	4.00	4.00
11.	3	Mercury, dispensing caps, Caulk Co.	1.00	3.00
12.	13	Plastic Capsule and metal pestle, Crescent Co.	2.50	32.50
13.	26	Brush, sable hair #2, Craft Tant Devoe Co.	.55	14.30
14.	4	Crucible, clay, small, Kerr Co.	2.40	9.60

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
15.	13	Mandrels-no cuts, cleaning and interlocking	.60	10.80
16.	26	Plate, glass, 6" x 6" x 3/16" Local Store		
17.	13	Thermometer, 220° F. Hospital Supply Co.	5.50	10.50
18.	13	Tetmore, #3, Blue Diamond, S.S.W. Co.	.50	6.50
19.	13	Tetmore, #2, Blue Diamond, S.S.W. Co.	.50	6.50
20.	3 doz	Bur, Steel, 6 ft. #558, S. S. White Co.	2.00 per doz.	6.00
21.	26	Bur, plug finishing, 6 ft. #9, S. S. White Co.	.25	6.50
22.	26	Bur, plug finishing, 6 ft. #245, S. S. White Co.	.25	6.50
23.	26	Stone, gem, assorted, S. S. White Co.	.50	13.00
24.	26	Trap, resin, #7, clear plastic, Lote Co.	.10	2.60
25.	13	Tripoli, 1/4 lb., S.S.W. Co.	.30	3.90
26.	13	Rouge, 1/8 lb., S.S.W. Co.	.25	3.25
27.	13	Pumicator, 1/4 lb., S.S.W. Co.	.43	5.60
28.	13	Kit, polishing, student outfit,	15.00	195.00

LABORATORY

29.	3	Graduates, 30 cc, plastic, Local Dental Supply Co.	2.50	7.50

DARK ROOM

30.	1	Cleaning brush, Local Dental Co.	1.50	1.50
			Total	$3,228.80

SOURCES OF INFORMATION

American Dental Association, 211 East Chicago Avenue, Chicago, Illinois, 60611.
Council of National Board of Dental Examiners
Council on Dental Education

American Dental Hygienists' Association, 211 East Chicago Avenue, Suite 1600, Chicago, Illinois, 60611.

North Carolina State Board of Dental Examiners, P. O. Box 450, Hampton, North Carolina, 28623. The Law Governing the Practice of Dentistry and Oral Hygiene in North Carolina, Section 1. GS 90-221 - Section 29. (Write for Copy)

NORTH CAROLINA STATE BOARD
OF DENTAL EXAMINERS

Office of the Secretary - P. O. Box 450 - Morganton, N. C., 28655

RULES, REGULATIONS AND INFORMATION PERTAINING TO DENTAL HYGIENE LICENSURE
EXAMINATION

QUALIFICATIONS

Before beginning the practice of dental hygiene in North Carolina, each applicant is required to procure from the North Carolina State Board of Dental Examiners, a license to practice dental hygiene. In order to obtain such a license, each applicant is required to appear before this Board and pass a satisfactory examination.

The applicant must be: (1) a citizen of the United States, by birth or naturalization; (2) a graduate from a school of dental hygiene approved, or provisionally approved, by the Council on Dental Education of the American Dental Association; (3) at least nineteen (19) years of age.

North Carolina has no reciprocal relations with any other state.

The applicant must be a graduate of a high school which was accredited by the State Educational Department at the time of graduation.

APPLICATION

1. All applications shall be made on the forms furnished by the Board, and no application shall be deemed complete which does not set forth all the information required by said Board relative to the applicant. In making application, the applicant authorizes the Board to verify the information contained in the application or to seek such further information pertinent to the applicant's qualifications or character as the Board may deem proper. The applicant commits that her character and reputation may be inquired into, and waives any right she may have to recover damages against the Board, any member thereof, its agents, or from any person of whom the Board inquires who answers such inquiry in good faith and without malicious intent.

2. A fee of twenty dollars ($20.00) for each examination (or re-examination) must accompany the application.

3. Applicants who have been in practice in another state are required to furnish recommendations from the Secretary of the Dental Board of that state in which they last practiced, together with two (2) letters of recommendation, preferably written by dentists.

4. A photograph must be affixed to the application and must have been taken within one months prior to the date of the application.

5. A second photograph, not over 2x3/4" in height, must be paper-clipped to each application, to be used as a part of your identification badge.

6. The completed application, for, photographs, high school and college credits, and two letters of recommendation must be in the hands of the Secretary at least THIRTY (30) DAYS PRIOR TO THE DATE OF THE EXAMINATION. College transcripts may be incomplete for those still in college but must be sent in before examination.

7. All pertinent data received by the Board concerning the applicant will be considered a part of the required application and will be retained as part of the record.

8. All applicants should be very thorough in completing every step of the application procedure. Any error or omission will only cause additional correspondence between the Secretary and the applicant.

EXAMINATIONS

1. The North Carolina State Board of Dental Examiners is authorized to conduct the written, oral and clinical examinations of such character as to thoroughly test the qualifications of the applicant, and may refuse to grant licensure to any person who, in the discretion, is found deficient in said examination.

2. The results of the National Board Examination will be accepted by the North Carolina State Board of Dental Examiners on those subjects required by the North Carolina Board. On any subject that the candidate has failed on the National Board Examination, the North Carolina State Board of Dental Examiners may require a reexamination in that subject or complete a written examination in all subjects, or any portion thereof.

3. The opening, or indoctrination, session will begin promptly at 4:00 P. M. on the Saturday preceding the Fourth Monday of June. This session will be held at the University of North Carolina School of Dentistry, Chapel Hill, North Carolina.

YOU MUST PRESENT YOUR DIPLOMA AT THIS SESSION!

4. For that applicant who has not taken the National Board Examination, a written examination will be conducted in those subjects listed in the schedule that follows.

7. The actual examination will commence the following Monday, which is the fourth Monday in June. The following schedule will be observed:

MONDAY --
8:00 A. M. - 9:30 A. M. - Office, Jurisprudence and Office Management
9:30 A. M. - 2:00 P. M. - Clinical Examination
2:00 P. M. - 3:30 P. M. - General Anatomy, Dental Anatomy, Physiology and Histology

TUESDAY --
8:00 A. M. - 9:30 A. M. - Pathology, Bacteriology, Chemistry, and
9:30 A. M. - 2:00 P. M. - Clinical Examination
2:00 P. M. - 3:30 P. M. - Materia Medica, Pharmacology, Dental Materials, Preventive Aspects of Dentistry

WEDNESDAY --
9:30 A. M. - 2:00 P. M. - Clinical Examination

THURSDAY --
8:00 A. M. - 2:00 P. M. - Clinical Examination

8. All applicants will be required to take a written examination on Office, Jurisprudence, and Office Management.

9. Each applicant is required to take the entire examination, and no credit will be given for the successful completion of a portion of the examination.

10. Numbered blanks will be furnished by the Board. The written examination will be under the direction of the Secretary, who will give each applicant a numbered badge. This badge will contain your photograph and will be presented to you at the opening session. This badge must be attached to the clothing of the applicant and be kept in plain view at all times during the examination. This badge must be returned to the Secretary at the completion of the examination.

11. The number on your badge will be the only identification allowed on any paper or manuscript during the examination. The Secretary will keep a sealed file of all applicants and their badge numbers in his possession until all manuscripts have been graded and the clinical grades compiled.

12. Applicants are not allowed to leave the room or move about in the room during the examination without the permission of the examiner.

13. Neatness, correct spelling, legibility of writing, and use of good English will be considered in the grades.

14. The Board reserves the right to dismiss any applicant who may be detected using or attempting to use any unfair assistance for himself or for another applicant. If such violation is discovered by the Board after license has been issued to the violator, such license will be revoked.

CLINICAL EXAMINATION

1. The clinical examination will include: (1) performing a prophylaxis (2) assisting in Oral Surgery (3) Prosthodontics and (4) Operative Dentistry.

2. The applicant must furnish her own instruments and materials. A chair and unit will be provided.

3. The applicant must be responsible for securing patients for clinical prophylaxis. The patient MUST have sufficient calculus to determine the proficiency of each applicant.

4. All patients must be approved by a member or members of the Board.

5. An average of eighty per cent (80) is required to pass the Clinical and Theoretical Examinations.

6. The Board may, at its discretion, change or add to any of the requirements under the preceding rules.

7. The results of all examinations are issued by the Secretary as soon as possible.

RE-EXAMINATION

1. Complete applications, except school transcripts, are required in case of re-examination.

2. Any applicant who has failed the examination twice will be ineligible for a third examination until she has successfully completed an additional course of study consisting of at least 250 class or clinic hours at an accredited school of dental hygiene. Such applicant will then be entitled to make application for a third examination.

CHANGE IN ADDRESS

If a candidate changes her address, she should immediately notify the Board office.

GENERAL INFORMATION

The indoctrination session will be held at the University of North Carolina School of Dentistry, Chapel Hill, North Carolina, Saturday, June_____, 19____.

The next meeting of the Board will be held at the University of North Carolina School of Dentistry, Chapel Hill, North Carolina, beginning Monday, June_____, 19__.

_____
Secretary

NORTH CAROLINA STATE BOARD OF DENTAL EXAMINERS

APPLICATION FOR EXAMINATION TO PRACTICE DENTAL HYGIENE

Must Be Filed with the Secretary 30 Days Before the Date of the Examination and Accompanied by the Fee of Twenty Dollars

I hereby make application for a license to practice Dental Hygiene in the State of North Carolina and submit the following statements under oath:

Name _____ Age _____ Years
(Full Name)

Permanent Address _____

College Address, if Student _____

Date of Birth _____ Place of Birth _____
(City and State)

An unmounted bust photograph of applicant, taken not more than six months before the date of application, must be pasted in this space. Photograph must not be larger than the space provided and must not be smaller than 2½ x 2⅝ inches. Photograph must be autographed on front. (Passport photographs requested.)

I am a bona fide resident of _____
(City)

_____
(County) (State)

Complexion _____ Color Eyes _____

Height _____ Weight _____

Are you a citizen of the United States? _____

If naturalized, give date and place _____

Have you read carefully and fully understand the leaflet containing information and rules governing examination?

Answer Yes or No _____

SAMPLE

I have taken the examination in the following States and no other:

_____
(States) (Date) (Results)

I have practiced Dental Hygiene as follows: _____

_____
(Associated With) (City) (Date)

AFFIDAVIT

_____ being duly sworn, says that she is the person referred to in this application and that the statements herein contained are true in every respect, and that the attached photograph is a true likeness of herself taken within the last six months.

_____
(Signature of Applicant)

Subscribed and sworn to before me this _____ day of _____ 19____.

_____
(Notary Public)

My commission expires _____

HIGH SCHOOL EDUCATION

Name and location of school attended — Period of attendance

1st year _____ _____

2nd year _____ _____

3rd year _____ _____

4th year _____ _____

I was graduated from the _____ high school on the _____ day of _____, 19____.

I have High School Certificate No. _____ issued on the _____ day of _____, 19____,

by the Superintendent of Public Instruction of the State of _____

In addition to the above the applicant is required to furnish a transcript from the high school with subjects and grades.

COLLEGE OR UNIVERSITY EDUCATION

SAMPLE

Name and location of institution attended — Period of attendance

1st year _____ _____

2nd year _____ _____

3rd year _____ _____

4th year _____ _____

I have credit for _____ of college work. I received the degree of _____
(No. of majors, semester hours; or clock hours)

from _____ on the _____ day of _____, 19____.
(College or University)

DENTAL HYGIENE EDUCATION

I attended _____ full courses of Dental Hygiene lectures and technical training as follows:

At _____
(Name of Dental Hygiene School)

from the _____ day of _____ 19____ to the _____ day of _____ 19____.

At _____
(Name of Dental Hygiene School)

from the _____ day of _____ 19____ to the _____ day of _____ 19____.

I { was / will be } granted a Diploma by _____

located at _____, State of _____ on the _____ day of

_____, 19____.

In addition to the above applicant is required to furnish a transcript of her record, i. e., subjects and grades, certified by the registrar of the College.

CERTIFICATE OF GOOD MORAL CHARACTER OF APPLICANT FOR EXAMINATION

(Signed by a licensed and registered dentist.)

THIS CERTIFIES That I have been personally acquainted with_____

_____ for _____ years, that I know her to be of good moral character, and hereby recommend her to the North Carolina State Board of Dental Examiners as entirely worthy of examination for a license to practice Dental Hygiene in the State of North Carolina pursuant to law.

I also certify that the photograph as appears in this application is the likeness of the above named applicant.

_____
(Signature of Dentist)

P. O. Address_____

Licensed in State of_____

Member of_____ Dental Society

State of_____

NOTE—Only applicants who are just graduating will please fill out the above certificate of good moral character in lieu of letters.

SAMPLE

CERTIFICATE OF GOOD MORAL CHARACTER OF APPLICANT FOR EXAMINATION

(Signed by a licensed and registered dentist.)

THIS CERTIFIES That I have been personally acquainted with_____

_____ for _____ years, that I know her to be of good moral character, and hereby recommend her to the North Carolina State Board of Dental Examiners as entirely worthy of examination for a license to practice Dental Hygiene in the State of North Carolina pursuant to law.

I also certify that the photograph as appears in this application is the likeness of the above named applicant.

_____
(Signature of Dentist)

P. O. Address_____

Licensed in State of_____

Member of_____ Dental Society

State of_____

NOTE—Only applicants who are just graduating will please fill out the above certificate of good moral character in lieu of letters.

NORTH CAROLINA STATE BOARD
OF DENTAL EXAMINERS

APPLICATION FOR LICENSE

—OF—

(To be filled in by Applicant)

Name .....

Age .....

Residence .....

St. Address.....

County .....

Graduate from .....

Date of Diploma .....

I will be at the following address between graduation and examination:

St. Address .....

City .....

State .....

(Do not write in this space)

Rec'd. .....

Fee .....

H. S. Transcript.....

D. H. Transcript.....

Accepted .....

Refused .....

Returned .....

Examined .....

PASSED .....

FAILED .....

Notice.....

Cert. No. .....

Issued.....

CERTIFICATE OF SECRETARY OF BOARD OF DENTAL EXAMINERS OF THE STATE IN WHICH APPLICANT IS NOW PRACTICING

I, _____, Secretary of _____

hereby certify that _____

was granted State Certificate No. _____ to practice Dental Hygiene in the State of _____

on the _____ day of _____ 19____.

I hereby certify to her reputability as appears of record in this office, and recommend her to the North Carolina State Board of Dental Examiners of the State of North Carolina as a fit and proper person to receive a license.

I also certify that the photograph which appears in this application is the likeness of the said _____

_____ and the person named in the above endorsement.

(Seal)

_____, Secretary

NOTE—Only applicants who have been in practice will please fill out above certificate by Secretary of Board. Include two letters of moral character.

STATE ADVISORY COMMITTEE

FOR

EDUCATION OF DENTAL AUXILIARY PERSONNEL

Dr. Ralph B. Barden, Wilmington

Dr. Roger E. Barton, Chapel Hill

Miss Alberta Beat, R.D.H., Chapel Hill

Dr. John C. Brauer, Chapel Hill

Mr. H. K. Collins, Durham

Mr. Andrew M. Cunningham, Raleigh

Miss Miriam Daughtry, R. N., Raleigh

Miss Louise Egan, R. N., Raleigh

Dr. Richard Hagemeyer, Charlotte

Miss Bette Holmes, C. D. A., Charlotte

Dr. Walter T. McFall, Charlotte

Dr. Barry G. Miller, Charlotte

Mrs. Mary Elizabeth Milliken, R.N., Raleigh

Dr. H. B. Monroe, Goldsboro

Mr. Fred Noble, C.D.T., Raleigh

Dr. Colin P. Osborne, Jr., Lumberton

Dr. J. Harry Spillman, Winston-Salem

Mr. William E. Taylor, Burlington

Miss Edna Zedaker, C.D.A., Charlotte

Appointed - December 1, 1964